Micro-measuring probe

Patent Number: DE3219558
Publication date: 1983-12-01
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Requested Patent: ☐ DE3219558
Application Number: DE19823219558 19820525
Priority Number(s): DE19823219558 19820525
IPC Classification: G08C17/00; G01D5/243; G01K7/16; A61F7/00
EC Classification: A61B5/00B4, A61N5/00B, G01D5/243
Equivalents:

Abstract

The invention relates to a micro measuring probe for the precise measurement of local, physical quantities at a site that is normally inaccessible (e.g. in the living body) and for the transmission of the measured values in a wireless fashion to an evaluation unit that is stationary outside the measuring site. The micro measuring probe is suitable for the precise measurement of local physical quantities, such as, the ambient temperature in human or animal tissue in connection with the application of hyperthermal methods (heating the tissue by irradiated high-frequency or microwave radiation, or heating by another method) for the purpose of cancer therapy, and for transmitting the measured values in a wireless fashion to an evaluation device. The micro measuring probe is likewise suitable for detecting other local, physical measured quantities in measurement objects of the same type of which are similar, as long as the measured quantity to be detected can be converted into an equivalent change in electrical resistance or capacitance.